

FIGURE 9

Sequence of the proximal Mda-5 promoter region and first exon

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1  GCACATTTTGGCCTACAAAGGACCTTATTGTTAAGGCAGAACCTGCTGGGAAAACAAAAT 60
   -----+-----+-----+-----+-----+-----+-----+-----+
                                     EcoRI
161 ATCCGCCGGAGGAGCTTTGTAGAGCGTTGGTCTTGGTGTGTCAGAGAGAATTCGCTTTCCTT 120
   -----+-----+-----+-----+-----+-----+-----+-----+
121 TTCTGTTTCCCGCGGTGTCCTTAACCAAAGGCCTCCTCTCTTCACCCGCCCCGACCAAAA 180
   -----+-----+-----+-----+-----+-----+-----+-----+
181 GGTGGCGTCTCCCTGAGGAAACTCCCTCCCCGCCAGGCAGATTACGTTTACAAAGTCCTG 240
   -----+-----+-----+-----+-----+-----+-----+-----+
241 AGAAGAGAATCGAAACAGAAACCAAAGTCAGGCAAACCTCTGTAAGAACTGCCTGACAGAA 300
   -----+-----+-----+-----+-----+-----+-----+-----+
301 AGCTGGACTCAAAGCTCCTACCCGAGTGTGCAGCAGGATCGCCCCGGTCCGGGACCCCAG 360
   -----+-----+-----+-----+-----+-----+-----+-----+
361 GCGCACACCGCAGAGTCCAAAGTGCCGCGCCTGCCGGCCGCACCTGCCTGCCGCGGCCCC 420
   -----+-----+-----+-----+-----+-----+-----+-----+
421 GCGCGCCGCCCCGCTGCCCACCTGCCCGCCTGCCACCTGCCCAGGTGCGAGTGCAGCCC 480
   -----+-----+-----+-----+-----+-----+-----+-----+
481 CGCGCGCCGGCCTGAGAGCCCTGTGGACAACCTCGTCATTGTCAGGCACAGAGCGGTAGA 540
   -----+-----+-----+-----+-----+-----+-----+-----+
541 CCCTGCTTCTNTAAGTGGGCAGCGGACAGCGGCACGCACATTTACCTGTCCCGCAGACA 600
   -----+-----+-----+-----+-----+-----+-----+-----+
                                     BstXI
601 ACAGCACCATCTGCTTGGGAGAACCCTCTCCCTTCTCTGAGAAAGAAAGATGTCGAATGG 660
   -----+-----+-----+-----+-----+-----+-----+-----+
661 GTATTCCACAGACGAGAATTTCCGCTATCTCATCTCGTGCTTCAGGGCCAGGGTGAAAAT 720
   -----+-----+-----+-----+-----+-----+-----+-----+
721 GTACATCCAGGTGGAGCCTGTGCTGGACTACCTGACCTTTCTGCCTGCAGAGGTGAAGGA 780
   -----+-----+-----+-----+-----+-----+-----+-----+
781 GCAGATTCAGAGGACAGTCGCCACCTCCGGAACATGCAGGCAGTTGAACTGCTGCTGAG 840
   -----+-----+-----+-----+-----+-----+-----+-----+
                                     EcoRI
841 CACCTTGAGAAAGGAGTCTGGCACCTTGGTTGGAATCGGGAATTCGTGGAGGCCCTCCG 900
   -----+-----+-----+-----+-----+-----+-----+-----+
                                     SacI
901 GAGAACCGGCAGCCCTCTGGCCGCGCGCTACATGAACCTGAGCTCACGGACTTGCCCTC 960
   -----+-----+-----+-----+-----+-----+-----+-----+
961 TCCATCGTTTGAGAACGCTCATGATGAATATCTCCAACTGCTGAACCTCCTTCAGCCCAC 1020
   -----+-----+-----+-----+-----+-----+-----+-----+
                                     HindIII
1021 TCTGGTGGACAAGCTT 1036
   -----+-----+-----+-----+-----+-----+-----+-----+

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Figure 10

Figure 11

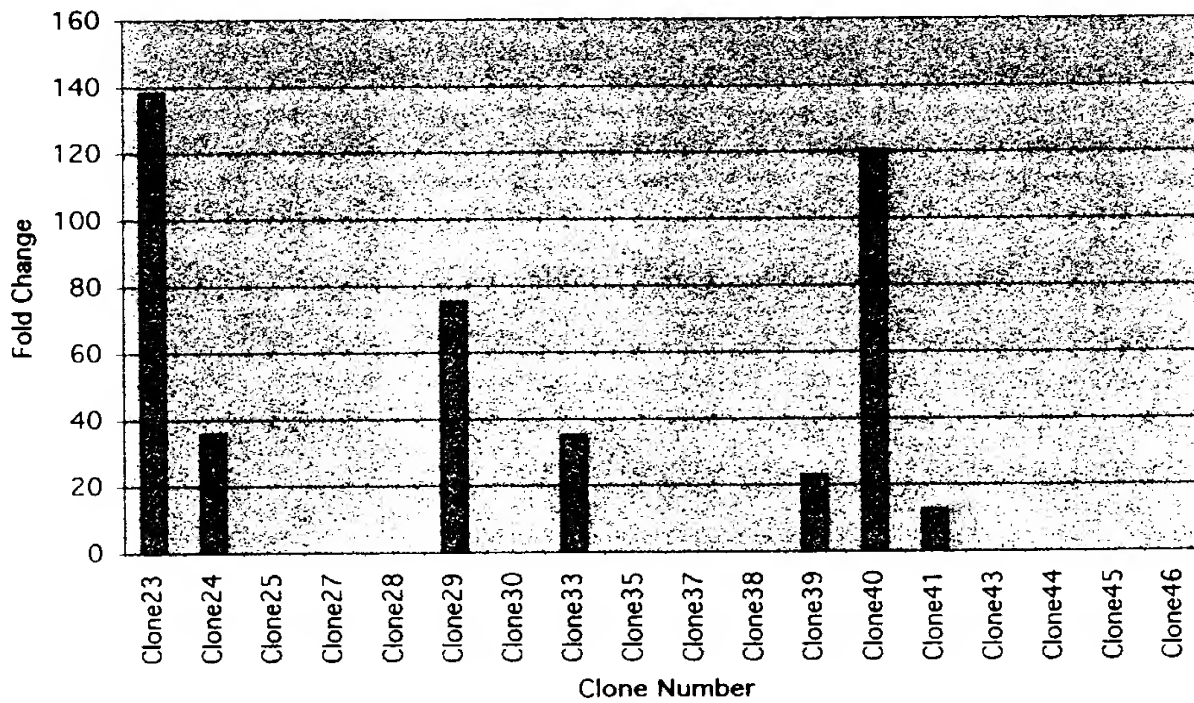
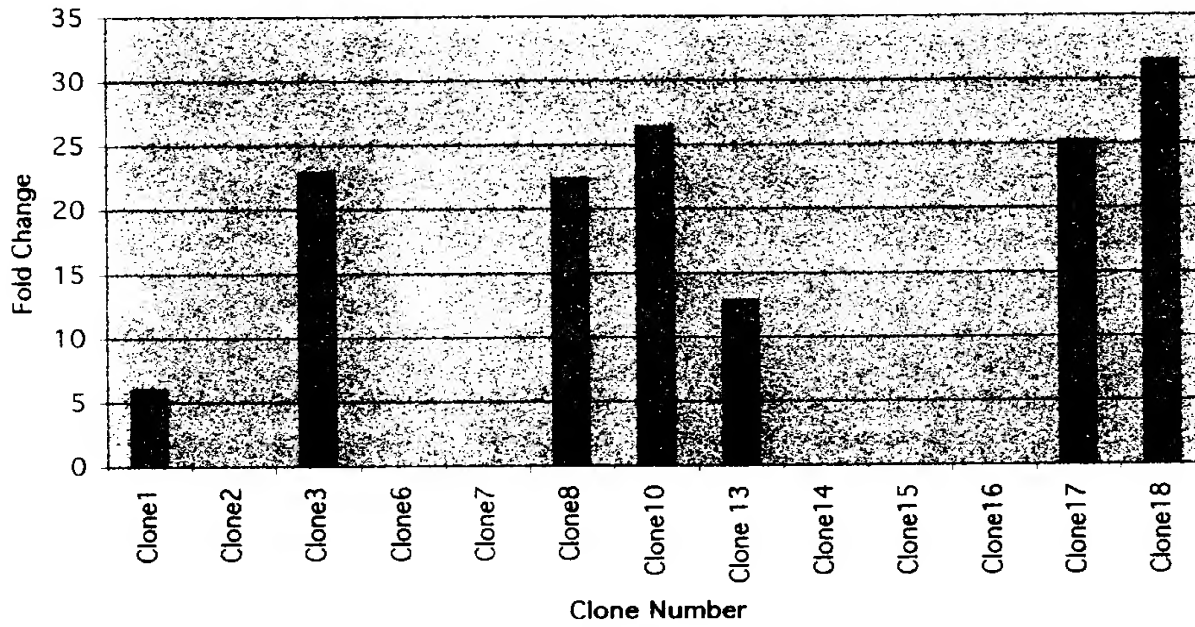


Figure 12

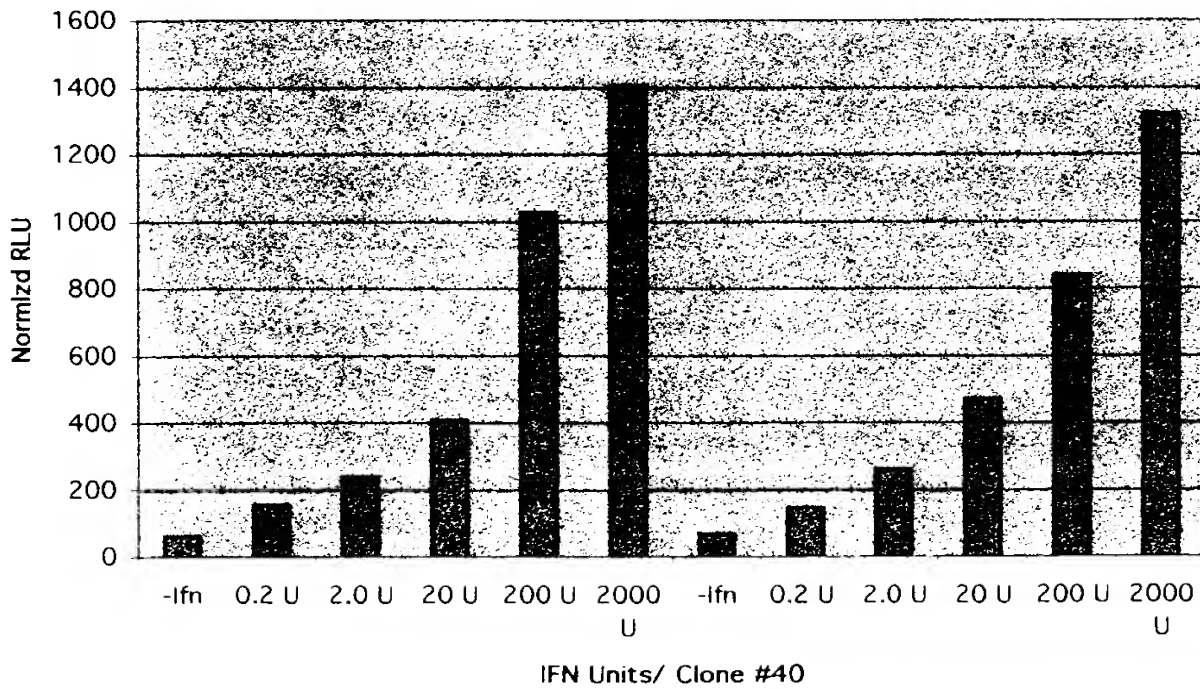
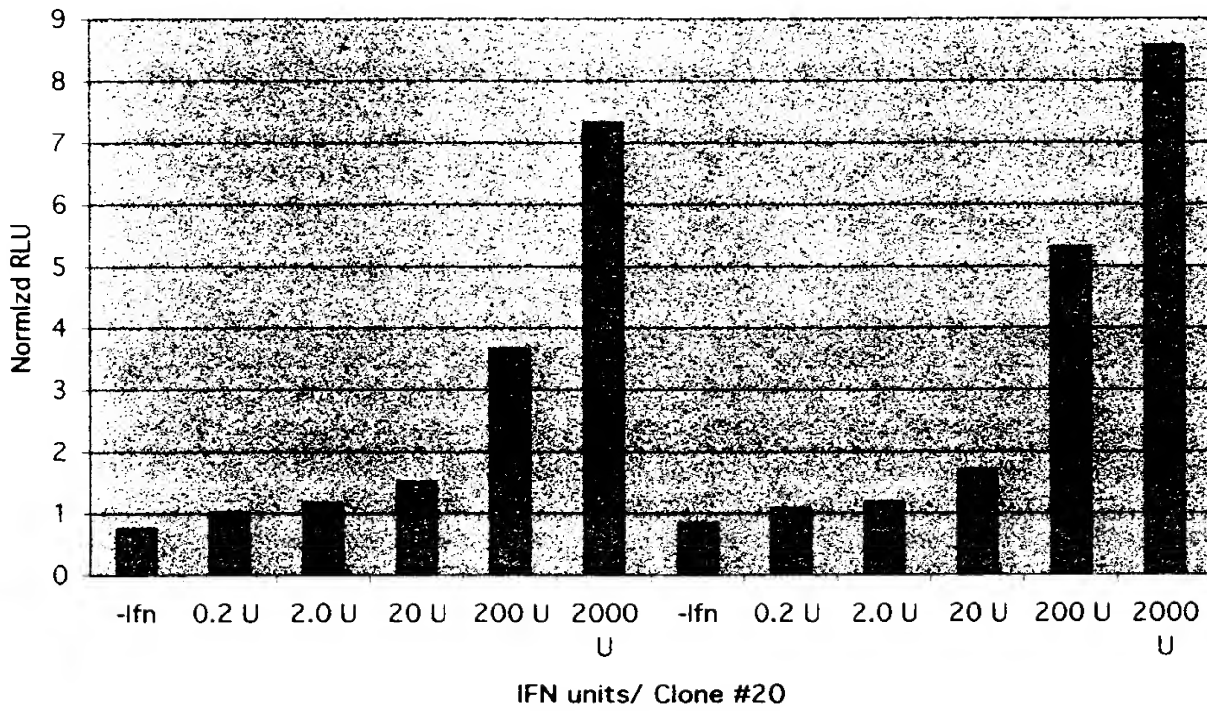


Figure 13

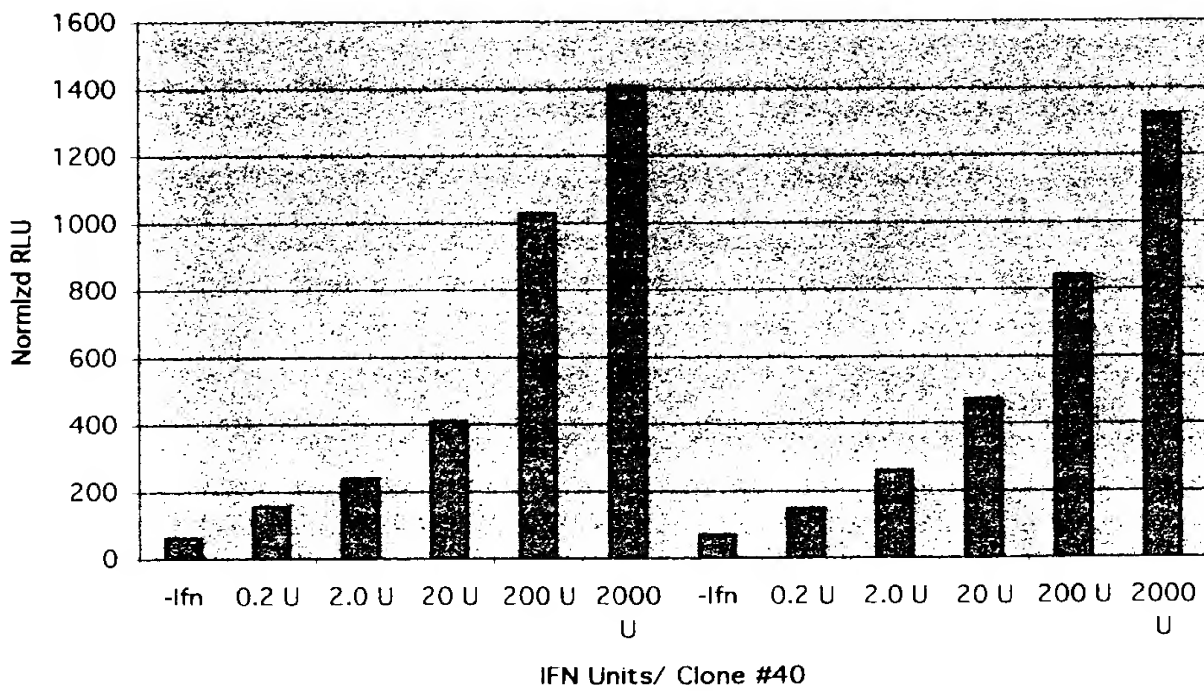
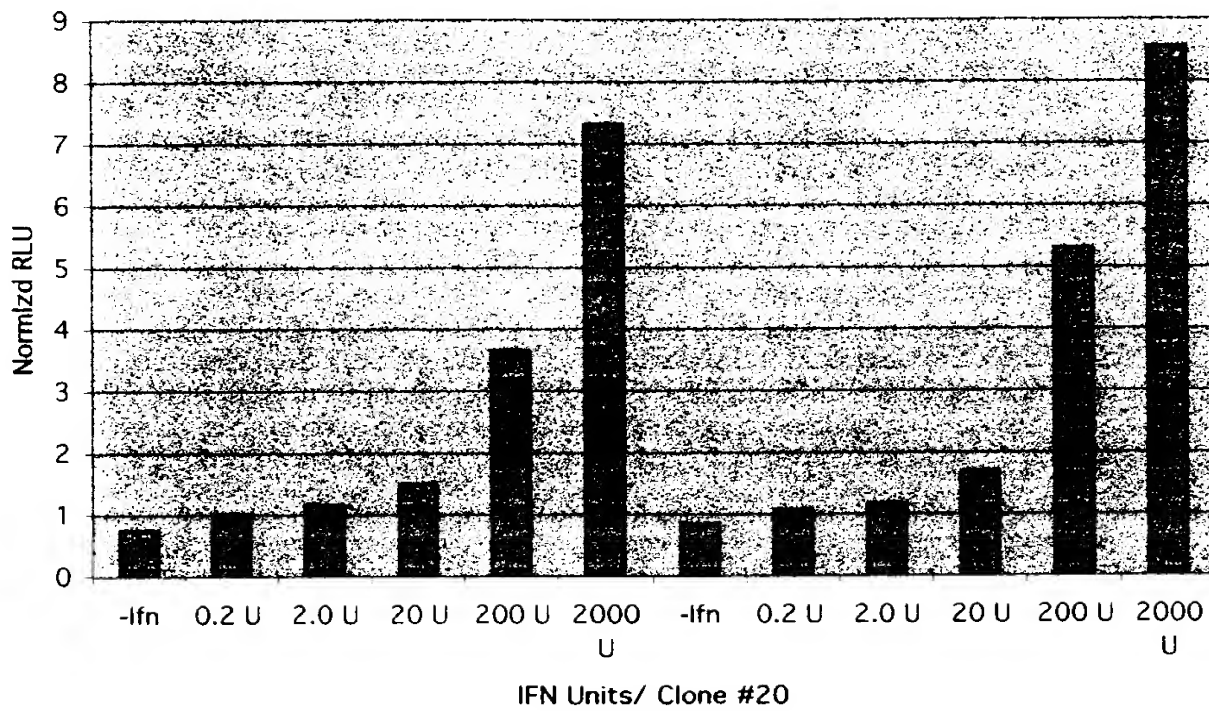
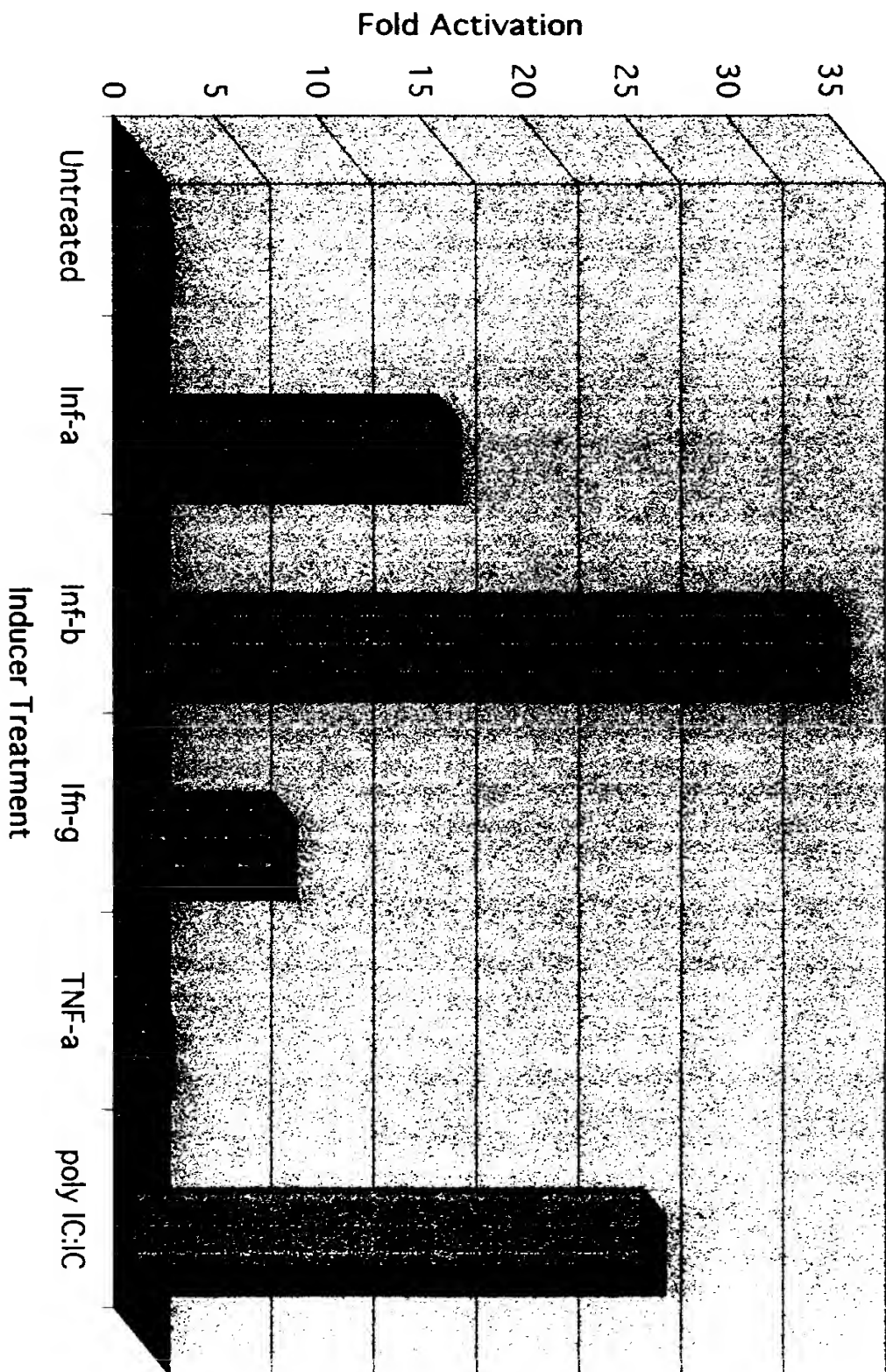


Figure 14 A



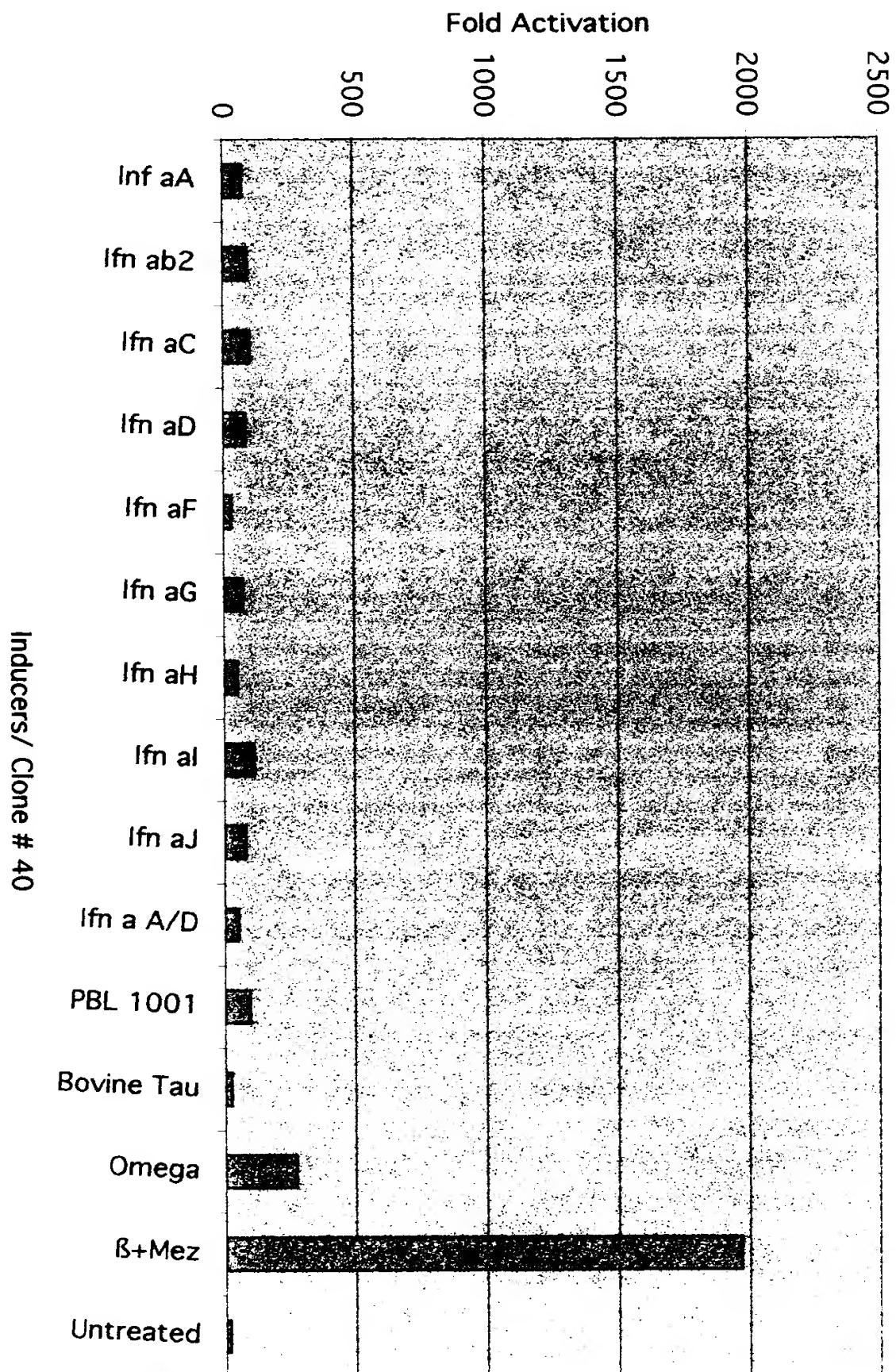


Figure 14B

Figure 15

